

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS:

1 1. (currently amended) Drive device for a energy
2 input mechanism ~~(8)~~ operating a wind turbine comprising
3 two counter-rotative propellers, the first one ~~(10, 100)~~
4 being facing the wind flow, while the second one ~~(11)~~ is
5 placed behind the first propeller,
6 the wind turbine including:
7 an epicyclicoidal multiplier,
8 a first shaft ~~(12)~~ supporting the first propeller
9 ~~(10)~~ linked to a train of planetary wheels ~~17~~ of the
10 epicyclicoidal multiplier,
11 a second shaft ~~(13)~~ supporting the second propeller
12 ~~(11)~~ linked to the crown wheel ~~(18)~~ of the epicyclicoidal
13 multiplier,
14 the solar wheel ~~(19)~~ of said epicyclicoidal multiplier
15 being connected to a third shaft ~~(19)~~ driving the
16 afore-mentioned energy input mechanism.

1 2. (original) Drive device according to claim 1,
2 wherein the epicyclicoidal multiplier is lodged in the hub
3 of the second propeller.

1 3. (currently amended) Drive device according to
2 claim 1, wherein the second shaft ~~(13)~~ is hollow and
3 coaxially disposed around the first shaft ~~(12)~~.

1 4. (currently amended) Drive device according to
2 claim 2, wherein the second shaft ~~(13)~~ is hollow and
3 coaxially disposed around the third shaft ~~(19)~~.

1 5. (currently amended) Drive device according to
2 ~~one of the preceding claims~~ claim 1, wherein it further
3 comprises a braking system ~~(19)~~ that acts simultaneously
4 on the hollow shaft ~~(13)~~ and on the inner shaft ~~(12,~~
5 ~~19)~~.

1 6. (currently amended) Drive device according to
2 claim 5, wherein the braking system ~~(15)~~ includes a
3 pressure mechanism ~~(31a, 31b)~~ commanded by an activation
4 mechanism ~~(32a, 32b)~~, able to act simultaneously by
5 rubbing against the outer armature of second shaft ~~(13)~~
6 to slow it down, able to press against a plurality of
7 tappets ~~(30)~~ located in the radial openings ~~(130)~~
8 arranged around the second shaft, wherein these tappets
9 rub against the outer armature of shaft ~~(12, 19)~~ and slow
10 down the second shaft ~~(13)~~ inside which the first one is
11 coaxially placed.

1 7. (currently amended) Drive device according to
2 claim 6, wherein the pressure mechanism is composed of
3 two half-drums ~~(31a, 31b)~~.

1 8. (original) Drive device according to claim 6,
2 wherein the pressure mechanism is composed of a ribbon
3 braking system.

1 9. (currently amended) Drive device according to
2 ~~one of the claims 6 to 8~~ claim 6, wherein the activation
3 mechanism includes at least one hydraulic, pneumatic or
4 electromechanical jack ~~(32a)~~.

1 10. (currently amended) Drive device according to
2 ~~one of the claims 6 to 8~~ claim 6, wherein the activation
3 mechanism includes at least one mechanical cam system
4 ~~(32b)~~.

1 11. (currently amended) Drive device according to
2 ~~one of the preceding claims~~ claim 1, wherein it is
3 associated to an energy input mechanism that is an
4 electric generator.

1 12. (currently amended) Drive device according to
2 ~~one of the preceding claims~~ claim 1, wherein it is
3 associated with two propellers ~~(10, 11)~~ that bear
4 different aerodynamic characteristics.

1 13. (original) Drive device according to claim 12,
2 wherein the outer rotation diameters of both propellers
3 are different.

1 14. (currently amended) Drive device according to
2 claim 13, wherein the rotation diameter of the first
3 propeller ~~(10, 100)~~ is inferior to that of the second
4 propeller ~~(12)~~.

1 15. (currently amended) Drive device according to
2 ~~one of the claims 12 to 14~~ claim 12, wherein at least one
3 of the two propellers ~~(100)~~ rotates around a conical
4 surface that generates an angle α with a plane
5 perpendicular to the rotation axis of the propeller.

1 16. (original) Drive device according to claim 15,
2 wherein angle α is below 10° .

1 17. (original) Drive device according to claim 15,
2 wherein angle α is below 5° .

1 18. (original) Drive device according to claim 15,
2 wherein angle α is below 3°.

1 19. (currently amended) Drive device according to
2 ~~one of the claims 12 to 18~~ claim 12, wherein the
3 longitudinal axis of each blade ~~(102, 103)~~ is curved.

1 20. (currently amended) Windmill provided with two
2 counter-rotative propellers and comprising a drive device
3 according to ~~in one of the preceding claims~~ claim 1.